



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/446,991	02/04/2000	HENRIK LEIMAND	CU-2078RJS	3241

7590 03/10/2004

THOMAS F PETERSON  
LADAS & PARRY  
224 SOUTH MICHIGAN AVENUE  
CHICAGO, IL 60604

EXAMINER
----------


YAN, REN LUO

ART UNIT	PAPER NUMBER
----------	--------------

2854

DATE MAILED: 03/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 09/446,991	Applicant(s) LEIMAND, HENRIK 	
	Examiner Ren L Yan	Art Unit 2854	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 13 January 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 12-22 is/are pending in the application.
- 4a) Of the above claim(s) 12-20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 21 and 22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1-13-2004 has been entered.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over GB 2119711 in view of EP 0574124. The GB patent teaches the method of operating a printing unit in an offset printing machine having a convertible fluid applying unit which serves as both a lacquer applying unit and a dampening(moistening) unit for selective applying lacquer or dampening liquid as claimed including particularly the processes of engaging an inking unit (ink rollers 8) with a plate cylinder 6 when the fluid applying unit is used to apply dampening liquid using rollers 1 and 3-5 and of disengaging the inking unit 8 from the plate cylinder 6 when the fluid applying unit is converted to apply lacquer using rollers 1, 3-5, 5' and 7. Note that on page 2, line 21-24, the GB patent specifically teaches to separate the ink rollers 8 from the plate cylinder 6 during the lacquer applying operation in order to prevent lacquer deposit on the ink rollers 8. See Fig. 2, page 1, line 117 through page 2, line 24 in the GB patent. However, the fluid

Art Unit: 2854

applying unit of the GB patent uses a fountain roller 1 and a doctor blade 12 combination to control the amount of fluid being applied to the printing cylinder(s) rather than a doctor blade chamber device as recited. EP 0574124 teaches a coating apparatus for use in a rotary offset printing machine the conventional use of a fluid applying device having a doctor blade chamber device the exact same structure as recited. EP 0574124 states that the use of such a doctor blade chamber device operating under negative pressure conditions, leakage of coating fluid is virtually non-existent, and the operating life of the end seals is substantially increased. See Figs. 4, 8 and 9, and column 2, line 43 through column 3, line 26 in EP 0574124 for example. In view of the teaching of EP 0574124, it would have been obvious to those having ordinary skill in the art to provide the fluid applying device in the GB patent with a doctor blade chamber device appropriately disposed as taught by EP 0574124 in order to enhance the fluid applying operation of the fluid applying device.

Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jahn(4,722,273) in view of EP 0574124. The patent to Jahn teaches the method of operating a printing unit in an offset printing machine including a cylinder 5 or 8, an inking unit 6, a lacquer applying unit 11 which applies lacquer and a dampening unit 7 which applies water. Jahn particularly teaches the processes of engaging the inking unit 6 with cylinder 5 when the dampening unit 7 is applying water to carry out offset printing and of disengaging the inking unit 6 from the plate cylinder 5 when the lacquer applying unit 11 is applying lacquer. See column 1, line 38 through column 2, line 4 and the paragraph bridging columns 3 and 4 in Jahn for details. However, neither the lacquer applying unit 11 nor the dampening unit 7 of Jahn uses a doctor blade chamber device to control the amount of fluid being applied as recited. EP 0574124 teaches a coating apparatus for

Art Unit: 2854

use in a rotary offset printing machine the conventional use of a fluid applying device having a doctor blade chamber device the exact same structure as recited. EP 0574124 states that the use of such a doctor blade chamber device operating under negative pressure conditions, leakage of coating fluid is virtually non-existent, and the operating life of the end seals is substantially increased. See Figs. 4, 8 and 9, and column 2, line 43 through column 3, line 26 in EP 0574124 for example. In view of the teaching of EP 0574124, it would have been obvious to those having ordinary skill in the art to provide each of the lacquer applying unit and the dampening unit of Jahn with a doctor blade chamber device appropriately disposed as taught by EP 0574124 in order to enhance the fluid applying operation of the fluid applying device.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ren L Yan whose telephone number is 571-272-2173. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2854

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ren L Yan  
Primary Examiner  
Art Unit 2854

Ren Yan  
March 2, 2004